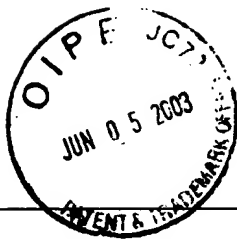


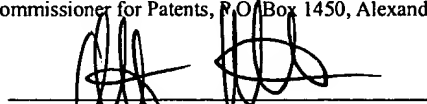
TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	09/588,891
		Filing Date	June 7, 2000
		First Named Inventor	Tzuo-Chang LEE
		Group Art Unit	2651
		Examiner Name	K. Wong
Total Number of Pages in This Submission	22	Attorney Docket Number	249212013000



PATENT
Docket No. 249212013000

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV 333856709 US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on June 5, 2003.


Anthony Soljanich

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Tzou-Chang LEE and James TYLOCK

Serial No.: 09/588,891

Filing Date: June 7, 2000

For: TRIPLE PUSH-PULL OPTICAL
TRACKING SYSTEM

Examiner: K. Wong

Group Art Unit: 2651

RE

JUN 11 2003

Technology Center 2600

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 AND § 1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RECEIVED

JUN 11 2003

Technology Center 2600

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Supplemental Information Disclosure Statement is submitted:

- ☒ With/after the RCE/CPA and before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.


The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicants petition for

any required relief including extensions of time and authorize the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing **249212013000**. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: June 5, 2003

Respectfully submitted,

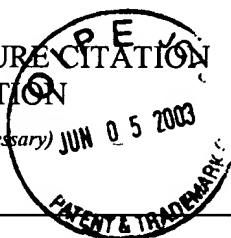
By: 
Christopher B. Eide
Registration No. 48,375

Morrison & Foerster LLP
755 Page Mill Road
Palo Alto, California 94304-1018
Telephone: (650) 813-5720
Facsimile: (650) 494-0792

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)



Docket Number 249212013000

Application Number 09/588,891

Applicant

Tzao-Chang LEE and James TYLOCK

Filing Date June 7, 2000

Group Art Unit 2651

Mailing Date June 5, 2003

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	07/05/2001	2001/0006437	Leonhardt et al.			
	2.	10/30/1973	3,768,752	Bettini et al.			
	3.	02/05/1974	3,790,755	Silverman			
	4.	12/14/1976	3,997,715	Elliot			
	5.	07/23/1985	4,531,205	Faugeras			
	6.	04/12/1988	4,737,877	Krongelb et al.			
	7.	10/22/1991	5,060,212	Fujita et al.			
	8.	12/17/1991	5,073,884	Kobayashi			
	9.	05/05/1992	5,111,448	Komma et al.			
	10.	09/01/1992	5,144,604	Sugiura			
	11.	06/08/1993	5,218,595	Lehureau et al.			
	12.	03/08/1994	5,293,367	Kadowaki et al.			
	13.	07/19/1994	5,331,621	Miyake et al.			
	14.	08/02/1994	5,334,849	Thomas et al.			
	15.	02/20/1996	5,493,554	Sasaki et al.			
	16.	12/03/1996	5,581,523	Seki et al.			
	17.	02/25/1997	5,606,542	Kim			
	18.	05/27/1997	5,633,844	Maeda et al.			
	19.	07/15/1997	5,648,946	Yamazaki			
	20.	07/15/1997	5,648,951	Kato et al.			
	21.	10/07/1997	5,674,583	Nakayama et al.			
	22.	10/21/1997	5,680,278	Sawtelle, Jr.			
	23.	10/21/1997	5,680,384	Seki et al.			
	24.	11/11/1997	5,687,155	Fukakusa et al.			
	25.	02/10/1998	5,717,674	Mori et al.			
	26.	06/30/1998	5,774,313	Tanaka et al.			
	27.	01/05/1999	5,855,589	McEwen et al.			

RECEIVED

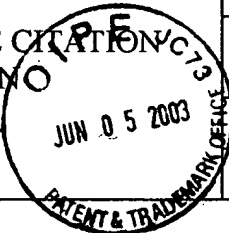
JUN 11 2003

Technology Center 2600

EXAMINER:

1DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449				Docket Number 249212013000		Application Number 09/588,891	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Tzao-Chang LEE and James TYLOCK			
				Filing Date June 7, 2000		Group Art Unit 2651	
				Mailing Date June 5, 2003			

	28.	02/16/1999	5,872,675	Solhjell			
	29.	11/30/1999	5,993,948	Yamazaki et al.			
	30.	02/29/2000	6,031,671	Ayres			
	31.	05/16/2000	6,063,489	Kobayashi et al.			
	32.	07/04/2000	6,084,740	Leonhardt et al.			
	33.	08/15/2000	6,103,365	Ishii et al.			
	34.	08/22/2000	6,108,159	Nute et al.			
	35.	06/12/2001	6,246,535	Saliba et al.			
	36.	11/20/2001	6,319,595	Katashima et al.			
	37.	11/12/2002	6,480,351	Leonhardt et al.			

RECEIVED
JUN 11 2003
Technology Center 2600

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation	
							YES	NO
	38.	01/12/1983	EP 0 069 548	Europe				
	39.	07/20/1983	EP 0 083 753	Europe				
	40.	01/11/1984	EP 0 097 774	Europe				
	41.	05/16/1984	EP 0 108 258	Europe				
	42.	09/26/1984	EP 0 119 568	Europe			Yes Abstract only	
	43.	01/09/1985	EP 0 130 495	Europe				
	44.	09/18/1985	EP 0 155 000	Europe				
	45.	01/02/1986	EP 0 166 199	Europe				
	46.	04/16/1986	EP 0 177 737	Europe				
	47.	05/07/1986	EP 0 180 258	Europe				
	48.	08/06/1986	EP 0 189 948	Europe				
	49.	11/04/1987	EP 0 244 005	Europe				
	50.	03/02/1988	EP 0 257 713	Europe				

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

Form PTO-1449

Docket Number 249212013000

Application Number 09/588,891

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

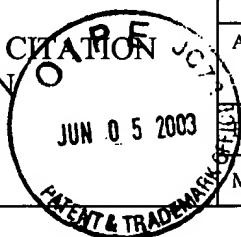
Applicant

Tzao-Chang LEE and James TYLOCK

Filing Date June 7, 2000

Group Art Unit 2651

Mailing Date June 5, 2003



	51.	04/12/1989	EP 0 311 485	Europe			Yes Abstract only	
	52.	04/19/1989	EP 0 311 859	Europe				
	53.	10/11/1989	EP 0 336 419	Europe				
	54.	12/06/1989	EP 0 344 759	Europe				
	55.	12/20/1989	EP 0 347 074	Europe				
	56.	01/24/1990	EP 0 351 837	Europe				
	57.	01/31/1990	EP 0 353 007	Europe				
	58.	05/16/1990	EP 0 368 268	Europe				
	59.	05/16/1990	EP 0 368 269	Europe				
	60.	10/03/1990	EP 0 390 555	Europe				
	61.	04/24/1991	EP 0 423 662	Europe				
	62.	06/26/1991	EP 0 434 230	Europe				
	63.	08/28/1991	EP 0 443 810	Europe				
	64.	05/13/1992	EP 0 484 774	Europe				
	65.	05/13/1992	EP 0 484 775	Europe				
	66.	05/13/1992	EP 0 484 779	Europe				
	67.	05/13/1992	EP 0 484 780	Europe				
	68.	07/29/1992	EP 0 496 461	Europe				
	69.	04/07/1993	EP 0 535 112	Europe				
	70.	07/07/1993	EP 0 549 845	Europe				
	71.	07/07/1993	EP 0 549 854	Europe			Yes Abstract only	
	72.	08/18/1993	EP 0 555 511	Europe				
	73.	10/06/1993	EP 0 564 187	Europe				
	74.	05/25/1994	EP 0 598 503	Europe				
	75.	07/20/1994	EP 0 606 710	Europe				
	76.	03/29/1995	EP 0 645 043	Europe				
	77.	03/29/1995	EP 0 645 044	Europe				
	78.	06/07/1995	EP 0 655 960	Europe				

RECEIVED

JUN 11 2003

Technology Center 2600

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

Docket Number 249212013000

Application Number 09/588,891

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Applicant

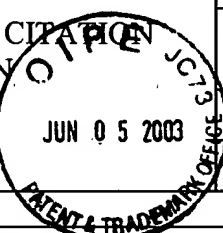
Tzao-Chang LEE and James TYLOCK

Filing Date June 7, 2000

Group Art Unit 2651

Mailing Date June 5, 2003

JUN 05 2003



	79.	11/29/1995	EP 0 684 597	Europe				
	80.	07/22/1998	EP 0 854 471	Europe				
	81.	08/09/2000	EP 1 026 665	Europe				
	82.	08/09/2000	EP 1 026 666	Europe				
	83.	08/09/2000	EP 1 026 667	Europe				
	84.	07/18/2001	EP 1 117 092	Europe				
	85.	01/14/1977	FR 2 315 142	France			Yes Abstract only	
	86.	04/14/1920	DE 320195	Germany				No
	87.	08/14/1975	DE 24 06 292	Germany			Yes Abstract only	
	88.	03/11/1977	DE 26 16 362	Germany			Yes Abstract only	
	89.	08/04/1983	DE 32 01 935	Germany			Yes Abstract only	
	90.	11/14/1985	DE 34 17 426	Germany			Yes Abstract only	
	91.	07/02/1992	DE 41 42 052	Germany			Yes Abstract only	
	92.	09/02/1981	JP 56-111169	Japan			Yes Abstract only	
	93.	03/24/1982	JP 57-50346	Japan			Yes Abstract only	
	94.	07/27/1982	JP 57-120230	Japan			Yes Abstract only	

RECEIVED

JUN 11 2003

Technology Center 2600

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449				Docket Number 249212013000		Application Number 09/588,891	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Tzao-Chang LEE and James TYLOCK			
				Filing Date June 7, 2000		Group Art Unit 2651	
				Mailing Date June 5, 2003			

	95.	07/27/1982	JP 57-120255	Japan			Yes Abstract only	
	96.	06/30/1986	JP 61-142530	Japan			Yes Abstract only	
	97.	08/22/1987	JP 62-192025	Japan			Yes Abstract only	
	98.	06/21/1988	JP 63-148416	Japan			Yes Abstract only	
	99.	10/19/1988	JP 63-251924	Japan			Yes Abstract only	
	100.	03/16/1989	JP 64-70916	Japan			Yes Abstract only	
	101.	07/25/1990	JP 2-188915	Japan			Yes Abstract only	
	102.	06/17/1991	JP 3-141087	Japan			Yes Abstract only	
	103.	09/03/1991	JP 3-201215	Japan			Yes Abstract only	
	104.	09/26/1991	JP 3-219432	Japan			Yes Abstract only	
	105.	10/29/1991	JP 3-242816	Japan			Yes Abstract only	
	106.	01/08/1992	JP 4-3832	Japan			Yes Abstract only	

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

Form PTO-1449				Docket Number 249212013000		Application Number 09/588,891	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Tzao-Chang LEE and James TYLOCK			
				Filing Date June 7, 2000		Group Art Unit 2651	
				Mailing Date June 5, 2003			

	107.	02/07/1992	JP 4-38632	Japan			Yes Abstract only	
	108.	02/26/1992	JP 4-59399	Japan			Yes Abstract only	
	109.	09/08/1992	JP 4-252417	Japan			Yes Abstract only	
	110.	10/28/1992	JP 4-305844	Japan			Yes Abstract only	
	111.	03/26/1993	JP 5-73883	Japan			Yes Abstract only	
	112.	01/28/1994	JP 6-020414	Japan			Yes Abstract only	
	113.	05/20/1994	JP 6-139549	Japan			Yes Abstract only	
	114.	09/02/1994	JP 6-243619	Japan			Yes Abstract only	
	115.	09/16/1994	JP 6-259736	Japan			Yes Abstract only	
	116.	10/21/1994	JP 6-293372	Japan			Yes Abstract only	
	117.	01/31/1995	JP 7-29136	Japan			Yes Abstract only	
	118.	03/03/1995	JP 7-57412	Japan			Yes Abstract only	

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

Form PTO-1449				Docket Number 249212013000		Application Number 09/588,891	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Tzao-Chang LEE and James TYLOCK			
				Filing Date June 7, 2000		Group Art Unit 2651	
				Mailing Date June 5, 2003			

	119.	03/10/1995	JP 7-65434	Japan			Yes Abstract only	
	120.	07/21/1995	JP 7-182626	Japan			Yes Abstract only	
	121.	08/18/1995	JP 7-220255	Japan			Yes Abstract only	
	122.	07/09/1996	JP 8-174669	Japan			Yes Abstract only	
	123.	01/10/1997	JP 9-7131	Japan			Yes Abstract only	
	124.	02/07/1997	JP 9-35246	Japan			Yes Abstract only	
	125.	10/07/1997	JP 9-265626	Japan			Yes Abstract only	
	126.	03/09/1999	JP 11-66529	Japan			Yes Abstract only	
	127.	03/09/1999	JP 11-66745	Japan				No
	128.	04/09/1999	JP 11-96705	Japan			Yes Abstract only	
	129.	05/11/1999	JP 11-126328	Japan			Yes Abstract only	
	130.	06/08/1999	JP 11-154312	Japan			Yes Abstract only	
	131.	06/18/1999	JP 11-161928	Japan			Yes Abstract only	

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

Form PTO-1449					Docket Number 249212013000		Application Number 09/588,891	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>					Applicant Tzao-Chang LEE and James TYLOCK			
					Filing Date June 7, 2000		Group Art Unit 2651	
					Mailing Date June 5, 2003			

	132.	08/06/1999	JP 11-213383	Japan			Yes Abstract only	
	133.	08/06/1999	JP 11-213384	Japan			Yes Abstract only	
	134.	09/07/1999	JP 11-242814	Japan			Yes Abstract only	
	135.	12/10/1999	JP 11-339254	Japan			Yes Abstract only	
	136.	12/24/1999	JP 11-353642	Japan			Yes Abstract only	
	137.	03/16/2001	JP 2001-067652	Japan				
	138.	07/28/1994	9406847	South Korea			Yes Abstract only	
	139.	01/30/1985	SU 1137513	Soviet Union				No
	140.	04/15/1977	CH 586 944	Switzerland				No
	141.	05/31/1979	2 008 290	United Kingdom				
	142.	08/05/1981	1 595 136	United Kingdom				
	143.	12/14/1983	2 121 227	United Kingdom				
	144.	09/29/1999	2 335 785	United Kingdom				
	145.	12/26/1991	WO 91/20077	WIPO				
	146.	12/23/1993	WO 93/26004	WIPO				
	147.	12/23/1993	WO 93/26007	WIPO				
	148.	12/23/1993	WO 93/25343	WIPO				
	149.	04/29/1999	WO 99/21178	WIPO			Yes Abstract only	
	150.	04/29/1999	WO 99/21179	WIPO			Yes Abstract only	

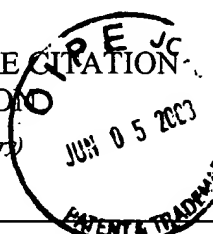
EXAMINER:	DATE CONSIDERED:
-----------	------------------

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)



Docket Number 249212013000

Application Number 09/588,891

Applicant

Tzao-Chang LEE and James TYLOCK

Filing Date June 7, 2000

Group Art Unit 2651

Mailing Date June 5, 2003

	151.	06/03/1999	WO 99/27530	WIPO				
	152.	06/10/1999	WO 99/28909	WIPO				
	153.	05/25/2000	WO 00/30079	WIPO				
	154.	08/24/2000	WO 00/49604	WIPO	RECEIVED JUN 11 2003 Technology Center 2600		Yes Abstract only	
	155.	08/24/2000	WO 00/49605	WIPO			Yes Abstract only	
	156.	08/24/2000	WO 00/49607	WIPO				

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	157.	Hoagland, A. S. (March 1978). "Optical Servo of Magnetic Recording," <i>IBM Technical Disclosure Bulletin</i> 20(10):4108-4109.
	158.	Ishiguro, H. et al. (February 1996). "A Laser-Detector-Hologram Unit with IV Amplifiers and Built-in Micro-Mirror," <i>ISSCC SA</i> 20.3:330-331.
	159.	Johnson, M. (August 1990). "Spatial Filtering For Storage Technology," <i>IBM Technical Disclosure Bulletin</i> 33(3A):191-193.
	160.	Lambert, S.E. and Rugar, D. (April 1990). "Servo Scheme for Patterned Media Using Optical Detection Integrated with the Head Structure," <i>IBM Technical Disclosure Bulletin</i> 32(11):397-399.
	161.	Yoshikawa, A. et al. (May 1995). "Laser-Detector-Hologram Unit for Thin Optical Pick-up Head of a CD Player," <i>IEEE Trans. on Components, Packaging, and Manufacturing Technology Part B</i> , 18(2):245-249.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.